



MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Rotan Mahogany USA, Inc.
4004C Aurora Street
Coral Gables, FL 33146

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Swietenia Series Outswing glazed Wood Doors-L.M.I.

APPROVAL DOCUMENT: Drawing No. 15-255 (previous 12-132-R1), titled "Swietenia Series Mahogany Swing-Out Door-glazed Door", sheets 1 through 7 of 7, dated AUG 26, 2015, prepared by EngCo Inc., signed and sealed by Pedro M. De Figueiredo, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. See sheet 5 for hardware. See primary locking notes 2 & 3 and additional secondary locking required during Hurricane events, per note 4.
2. Raised Wood panel (glazing type GL-2 per sheet 4 & 7) is limited to max. 25-3/4"W x 75-1/2"H.
3. Min 3ksi concrete required at head/sill installation.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA #14-0722.10 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No. 15-0921.10
Expiration Date: August 08, 2019
Approval Date: April 28, 2016
Page 1

4/26/16

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's parts drawings and sections (submitted under files below)
2. Drawing No. **15-255** (previous **12-132-R1**), titled "Swietenia Series Mahogany Swing-Out Door-glazed Door", sheets 1 through 7 of 7, dated AUG 26, 2015, prepared by EngCo Inc., signed and sealed by Pedro M. De Figueiredo, P.E.

B. TESTS (submitted under files **#14-0722.10** /**#13-0814.04**/**#12-0713.06** /**# 07-0717.08**)

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of an outswing mahogany door, prepared by Hurricane Engineering & Testing, Inc., Test Reports No(s). HETI-01-1184, dated 10/29/01, HETI-01-1095, dated 11/2/01, HETI-01-1185, dated 4/18/01, HETI-01-1077, dated 11/9/01, HETI-01-1190, dated 11/25/01, HETI-01-1079, dated 11/26/01, HETI-01-1007, dated 11/6/01, HETI-01-1186, dated 4/18/01 and HETI-01-1006, dated 10/26/01, all signed and sealed by Hector Medina, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, complying with FBC2014(5th edition), prepared by EngCo Inc., dated 04/26/2016, signed and sealed by Pedro De Figueiredo, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

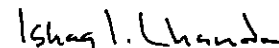
1. Notice of Acceptance No. **13-0909.10** issued to Polymer Extrusion Technology Inc., former Nebula Glass International, Inc. dba Glasslam for "Glasslam Safety Plus II Laminated Glass", expiring August 08, 2018.

F. STATEMENTS

1. Statement letter of conformance to FBC 2014(5th Edition), prepared by Engco Inc., dated 08/24/2015, signed and sealed by Pedro M. DeFigueiredo, P.E.
2. Statement letter of conformance to FBC 2007 & FBC 2010, prepared by Engco Inc., dated 08/13/10, signed and sealed by Pedro M. DeFigueiredo, P.E. (submitted under file **# 12-0713.06**).
3. Statement of lab compliance, as part of the test report

G. OTHER (Items #2 & #3 submitted under files **#14-0722.10**)

1. This NOA **revises** **#14-0722.10**, expiring AUG 08, 2019.
2. Copy of Bill of sales between Roatan Mahogany Millwork, Inc. (seller) and Roatan Mahogany USA, Inc. (buyer) dated 09/26/13, signed by respective official of the companies.
3. Florida Department of state, listing of active status of Roatan Mohogany USA, Inc.



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 15-0921.10

Expiration Date: August 08, 2019
Approval Date: April 28, 2016

GENERAL NOTES:

FLORIDA BUILDING CODE 2014 HVHZ
LARGE & SMALL MISSILE IMPACT RATED

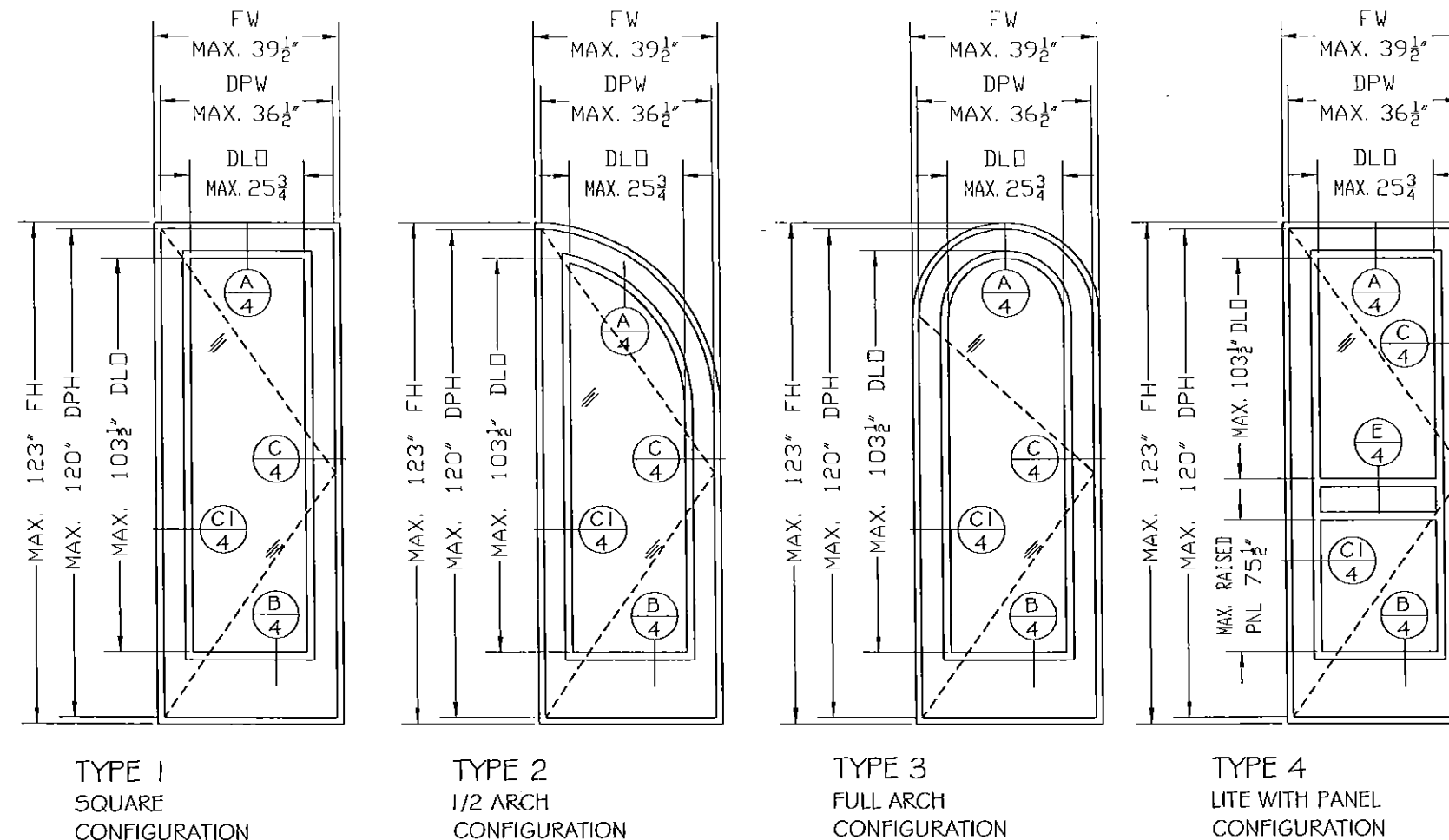
- 1- DEFINITION: THIS PRODUCT IS A SWING-OUT MAHOGANY DOOR; DESIGNED, CONSTRUCTED AND ERECTED TO ENCLOSE AN AREA, PROVIDING PROTECTION FROM HURRICANE FORCE WINDS WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL.
- 2- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE 2014 FLORIDA BUILDING CODE, HIGH VELOCITY HURRICANE ZONES (HVHZ).
- 3- POSTING: A PERMANENT LEGIBLE DECAL SHALL BE PLACED AT A READILY VISIBLE LOCATION STATING THE FOLLOWING:

"ROATAN MAHOGANY USA, INC. - MIAMI - FLORIDA
LARGE MISSILE IMPACT RESISTANT
SWIETENIA SERIES - SWING-OUT DOOR
MIAMI-DADE COUNTY PRODUCT APPROVED"
- 4- LOADS: DESIGNED LOAD CALCULATED BASED ON THE ASCE 7-10 AND PROVIDED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE PRESSURES HEREIN SPECIFIED. THE DESIGN PRESSURES, AS DETERMINED FROM ASCE 7-10, ARE TO BE MULTIPLE BY 0.6.
- 5- MATERIAL: ALL WOOD MATERIAL TO BE FABRICATED FROM KILN DRIED MAHOGANY.
- 6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL.
- 7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:
 - 7.1 - THE STABILITY OF THE STRUCTURE WHERE THE SHUTTER IS TO BE ATTACHED INSURING PROPER ANCHORAGE.
 - 7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, WINDLOADS, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.
 - 7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.

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TYPICAL SINGLE ELEVATIONS



DESIGNED PRESSURE RATING

$P_d = \pm 75$ PSF

MAXIMUM FRAME SIZES:
FINISHED WIDTH: FW = 39 1/2"
FINISHED HEIGHT: FH = 123"

MAXIMUM CLADDING SIZES:
1/2" GLASLAM SAFETY-PLUS II IMPACT GLASS
DLO: 25 3/4" X 103 1/2"
1 1/2" MAHOGANY SOLID WOOD PANEL
DLO: 25 3/4" X 75 1/2"

LEGEND

FH - FINISHED HEIGHT
FW - FINISHED WIDTH
DLO - DAY LIGHT OPENING
DPH - DOOR PANEL HEIGHT
DPW - DOOR PANEL WIDTH

WOOD TYPE:
VERNACULAR NAME: TRUE MAHOGANY
SCIENTIFIC NAME: SWIETENIA MACROPHYLLA G. KING
FAMILY: MELIACEAE
MINIMUM SPECIFIC GRAVITY: 0.45

GLASS TYPE:
1/2" LAMINATED MADE OF TWO 3/16" ANNEAL LITES
PLUS GLASLAM SAFETY-PLUS II INTERLAYER
(SEE DETAIL IN SHEET 7)

MANUFACTURER:

ROATAN
MAHOGANY
USA, INC

4004C AURORA STREET
CORAL GABLES, FL 33146
PHONE: (305) 774-5999
FAX: (305) 774-0083

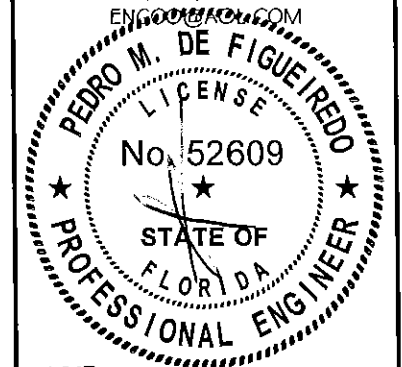
PRODUCT:

MAHOGANY
SWING-OUT DOOR
SWIETENIA SERIES
GLAZED DOOR
GLASS & WOOD PANEL OPTIONS
LARGE & SMALL MISSILE IMPACT

ENGINEERING:

ENGCO INC. CA 8116

5595 ORANGE DR. 201
DAVIE, FL. 33314
Tel.: (954) 585-0304
ENGCOINC.COM



AUG. 26 2015

Engineer Seal
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

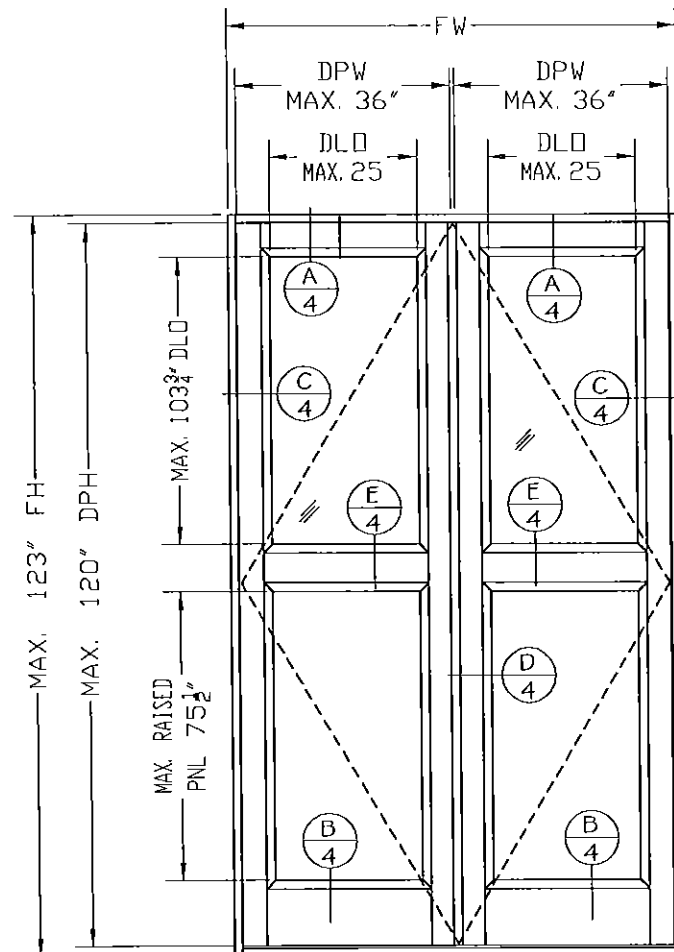
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0921-10
Expiration Date AUG 23, 2019
by: [Signature]
Mr. [Signature] Product Control

DATE: 08/26/2015
SCALE: NA
DESIGN BY: PPMF

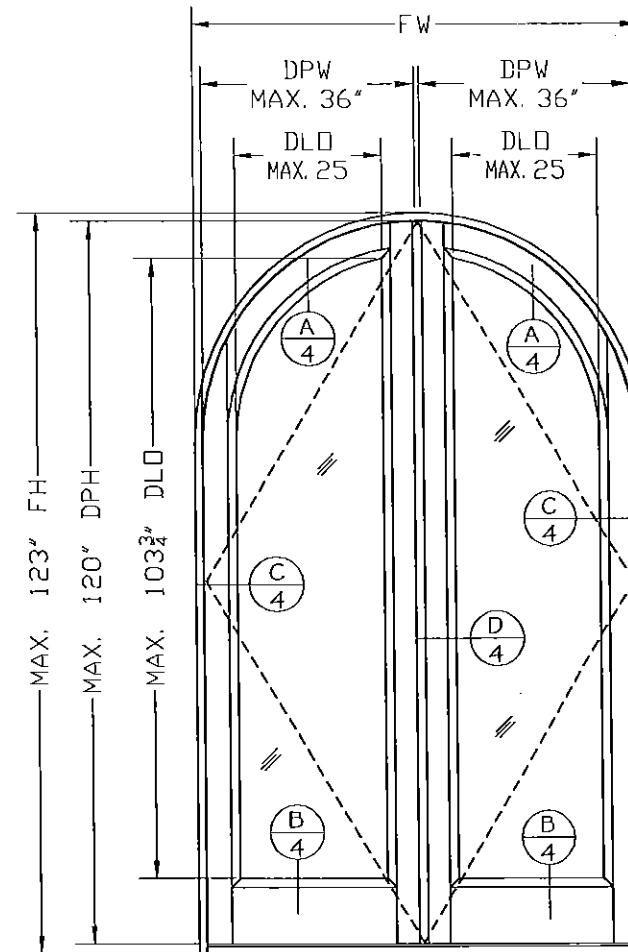
SHEET
1 OF 7

DRAWING #:
15-255

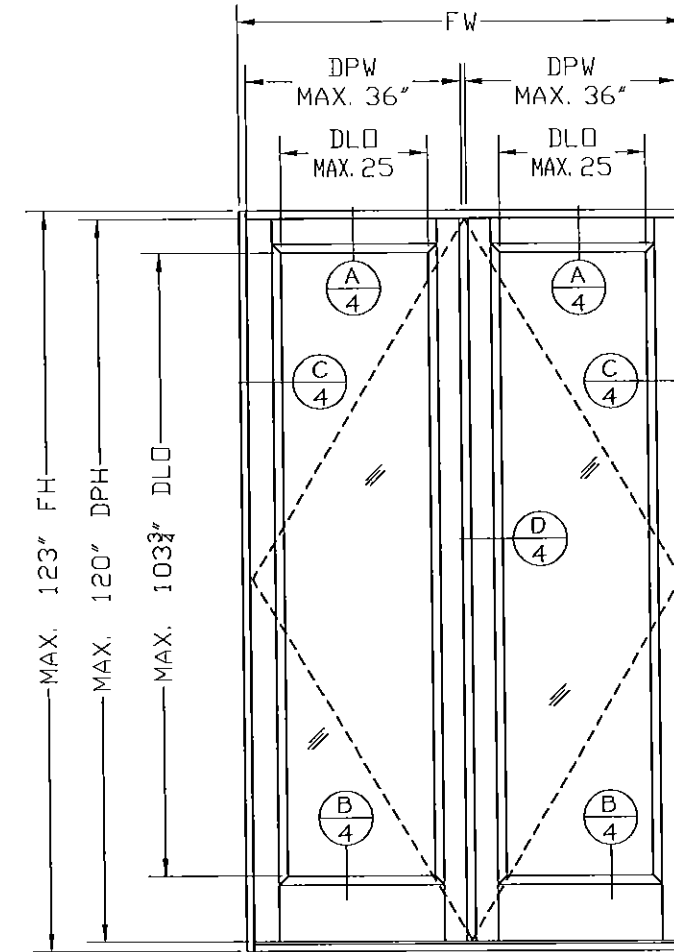
TYPICAL PAIR ELEVATIONS



TYPE 5
SPLIT PANEL CONFIGURATION



TYPE 6
ARCH CONFIGURATION



TYPE 7
SQUARE CONFIGURATION

<p>DESIGNED PRESSURE RATING Pd= ± 75 PSF</p>
<p>MAXIMUM FRAME SIZES: FINISHED WIDTH: FW= 75 1/2" FINISHED HEIGHT: FH= 123"</p>
<p>MAXIMUM CLADDING SIZES: 1/2" GLASLAM SAFETY-PLUS II IMPACT GLASS BY POLYMER EXTRUSION TECHNOLOGY INC DLO: 25" X 103 3/4" 1 1/2" MAHOGANY SOLID WOOD PANEL DLO: 25" X 103 3/4" 75 1/2" 4/21/16</p>

MANUFACTURER:

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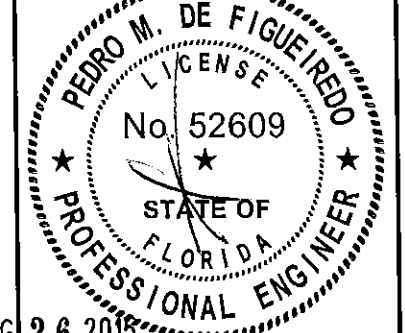
PRODUCT:

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ENGCO.COM



AUG 26 2015

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MIAMI-DADE BCCO:

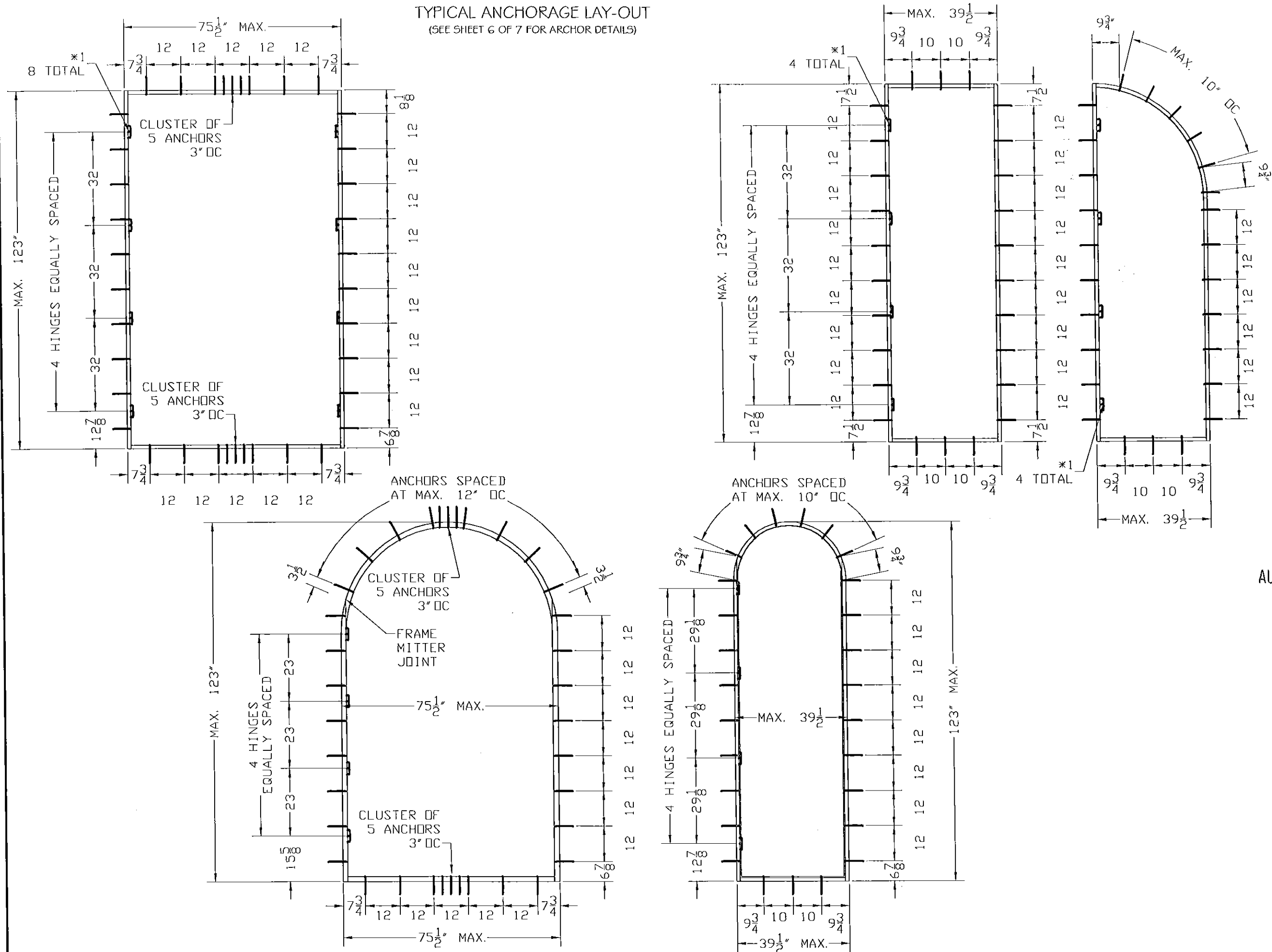
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0921-10
Expiration Date 8/31/19
By: [Signature] 4/21/16
Miami Daily Product Control

DATE: 08/26/2015
SCALE: NA
DESIGN BY: PPMF

SHEET
2 OF 7

DRAWING #:
15-255

TYPICAL ANCHORAGE LAY-OUT
(SEE SHEET 6 OF 7 FOR ANCHOR DETAILS)



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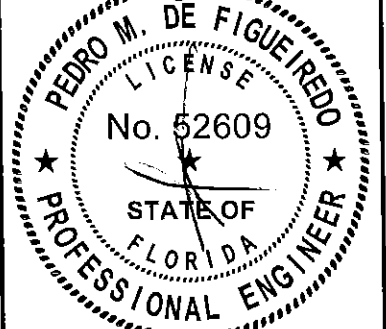
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ENGINEERING:

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ENGCOINC.COM



AUG 26 2015

Engineer Seal
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0921-10
Expiration Date 8/8/19
By: [Signature]
For: Daily Product Control

DATE: 08/26/2015
SCALE: NA
DESIGN BY: PPMF

SHEET
3 OF 7

DRAWING #:
15-255

CEILING JOINT DETAIL

(SEE DETAIL IN SHEET 7) GL 1

1/4" BEAD OF DOW CORNING 995 SILICONE

#12x1 1/2" WOOD SCREWS @ 9.5" OC STARTING AT 1 1/2" FROM EA CORNER

1" OF FILM IN ALL PERIMETER TO BE MECHANICALLY FASTENER

INTERIOR

EXTERIOR

#8X2 FHWS SPACED AT 3" OC STAGGERED

7/8" bite

(SEE DETAIL IN SHEET 7) GL 2

1/4" BEAD OF DOW CORNING 995 SILICONE

#12x1 1/2" WOOD SCREWS @ 9.5" OC STARTING AT 1 1/2" FROM EA CORNER

#8X2 FHWS SPACED AT 3" OC STAGGERED

INTERIOR

EXTERIOR

7/8" bite

F1

G2

The image contains two technical drawings of ceiling joint details, labeled GL 1 and GL 2. Both drawings show a cross-section of a ceiling assembly with a vertical panel being fastened to a horizontal structure. In both, a 1/4-inch bead of Dow Corning 995 silicone is applied at the top joint. The panel is secured with #12x1 1/2-inch wood screws, starting 1 1/2 inches from each corner and spaced at 9.5 inches on center. A 1-inch film is applied in the perimeter to be mechanically fastened. #8x2 flat head wood screws (FHWS) are spaced at 3 inches on center and staggered. A 7/8-inch bite is indicated for the panel. The drawings are labeled with 'INTERIOR' and 'EXTERIOR' to show the orientation. A diagonal line separates the two details. To the right, a partial drawing shows a detail labeled F1 and G2, showing a screw fastener through a panel into a structure.

SEE SHEET 6
FOR ANCHORAGE
DETAILS

C1/4

DOOR PANEL WIDTH

F1

FRAME WIDTH (FW)

DLO

*2

D6

G2

*3

DLO

D2

D4

INTERIOR

EXTERIOR

GL1 OR GL2

D7

D4

INTERIOR

EXTERIOR

G2

F1

HARDWARE NOTE 1

C1/4

DOOR PANEL WIDTH

DOOR PANEL WIDTH

C1/4

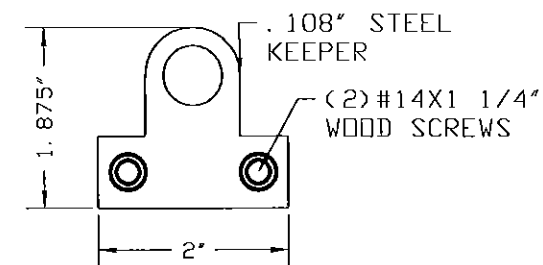
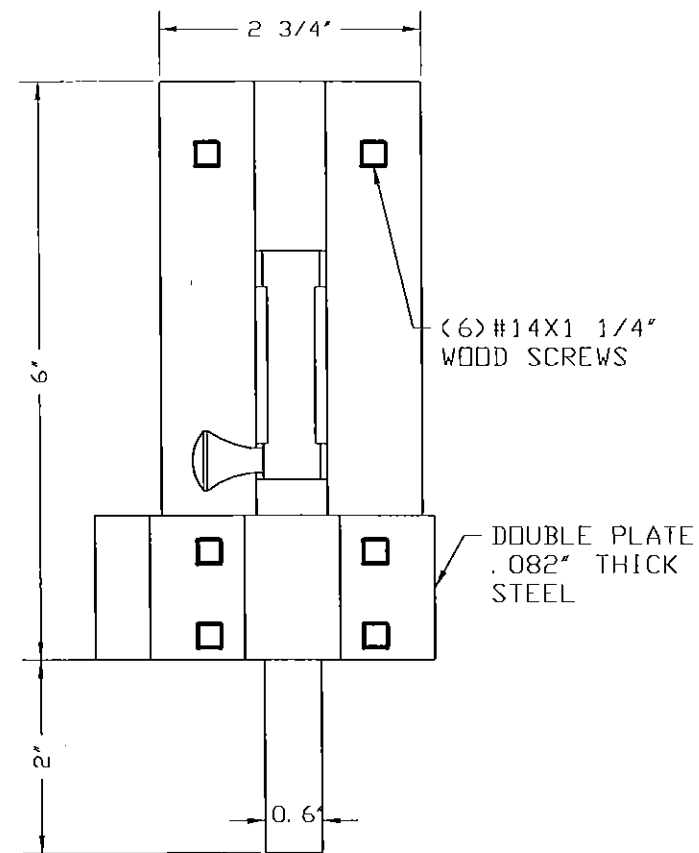
HARDWARE NOTE

Technical drawing of a door assembly, showing a cross-section of the door frame and door panel. The drawing includes labels for various components: F1, G2, D2, D3, D4, GL1, GL2, D3, D4, INTERIOR, D1, EXTERIOR, G2, F2, G1. It also includes dimensions: FRAME HEIGHT (FH) = 123", DLO, and DOOR PANEL HEIGHT. Reference notes point to SHEET 6 FOR ANCHORAGE DETAILS. Section markers A/4 and B/4 are visible on the right side.

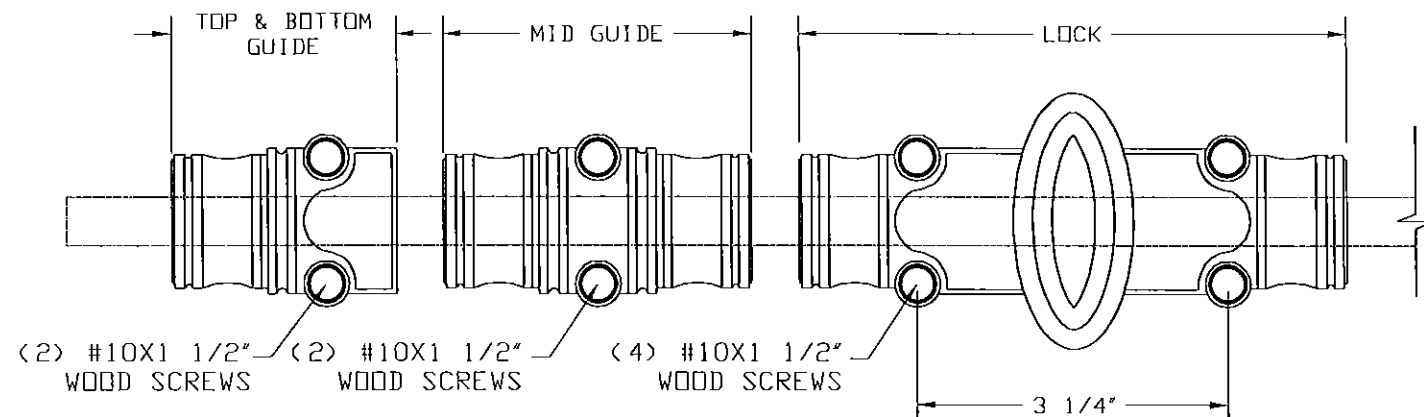
DRAWING #:
15-255

*3- NATIONAL .60" DIAM. THROW BOLT

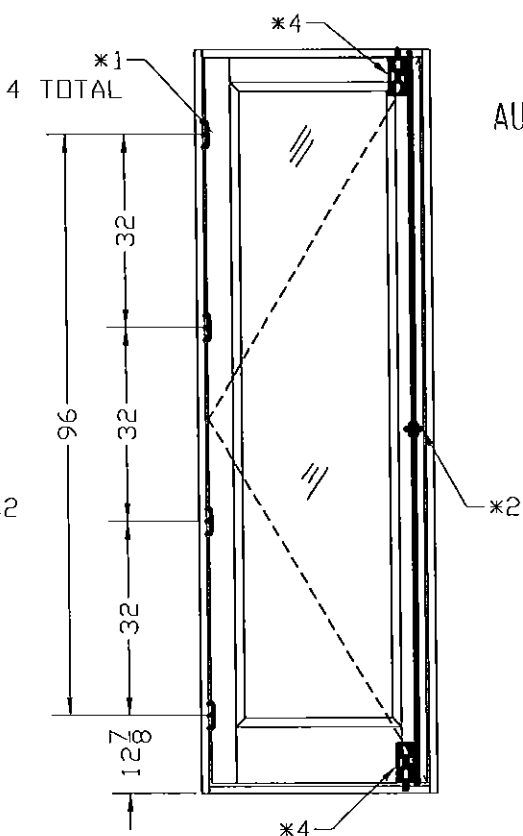
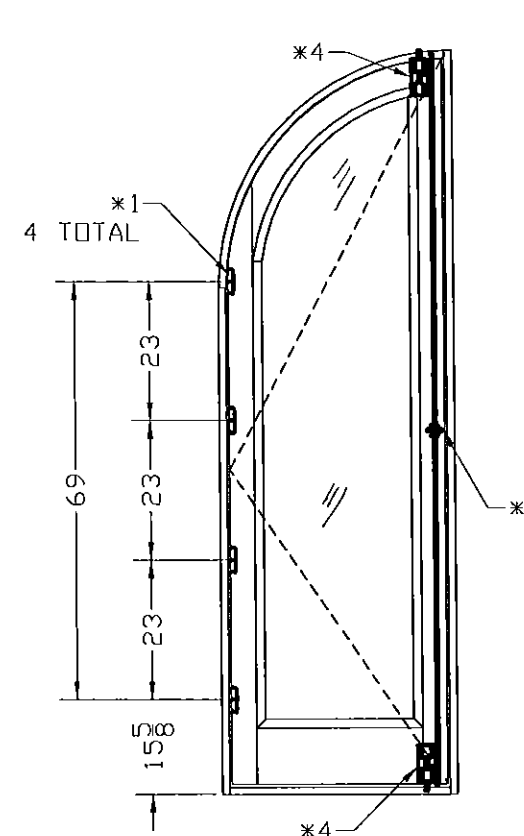
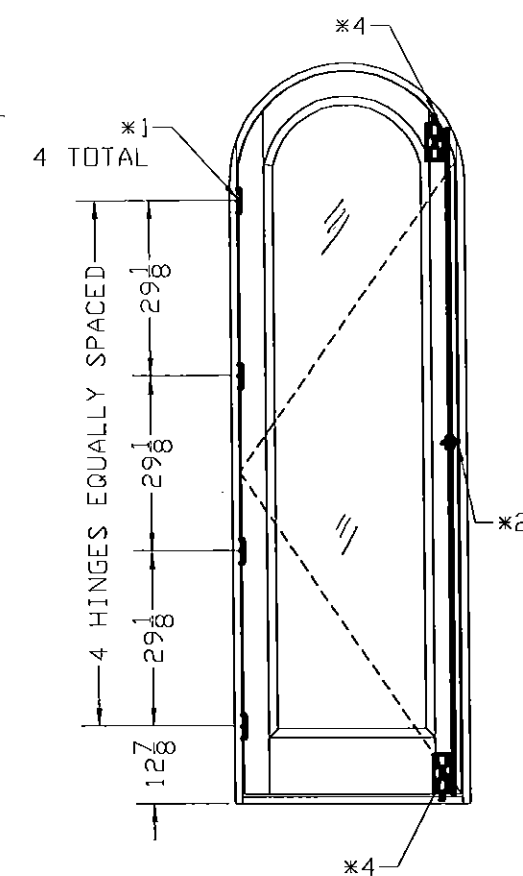
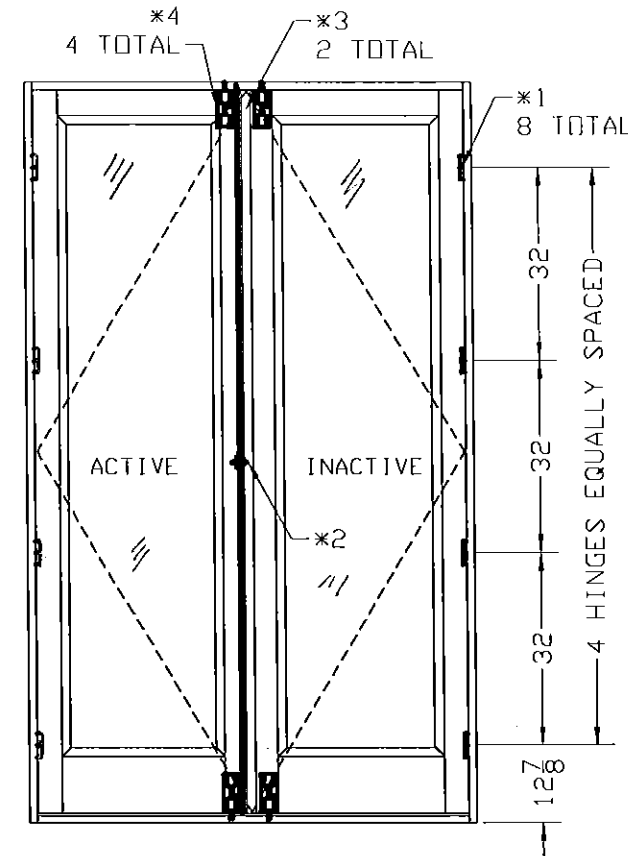
HARDWARE LAY-OUT



*2- ARDIMPEX THREE POINT CREMONES
SAME DETAIL TOP AND BOTTOM



- * HARDWARE
- 1- 4 1/2"x 4 1/2"x .136 HAGER 1279 HINGES SPACED AS PER ELEVATIONS ABOVE AND CONNECTED WITH (8) #12x1 1/4" FH SMS. (SQUARE DOOR, 4 PER LEAF AND ARCH DOOR, 3 PER LEAF)
 - 2- ARDIMPEX THREE POINT CREMONES ON ACTIVE LEAF FASTENED WITH (12) #10X1 1/2" FH SMS.
 - 3- HARROW PRODUCTS INC. FLUSH BOLTS 296G UL LISTED TOP AND BOTTOM OF INACTIVE LEAF.
 - 4- SECONDARY LOCKS (ACTIVATE ONLY WHEN HURRICANE FORCE WINDS ARE EXPECTED) - NATIONAL .60 DIA THROW BOLT ANCHORED WITH (6) #14X1 1/4" ON ACTIVE AND INACTIVE DOORS TOP AND BOTTOM RAILS.



MANUFACTURER:

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MAHOGANY
USA, INC

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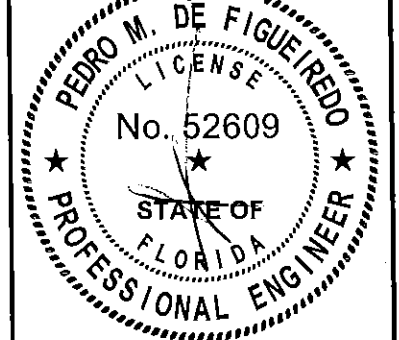
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MIAMI-DADE BCCO:

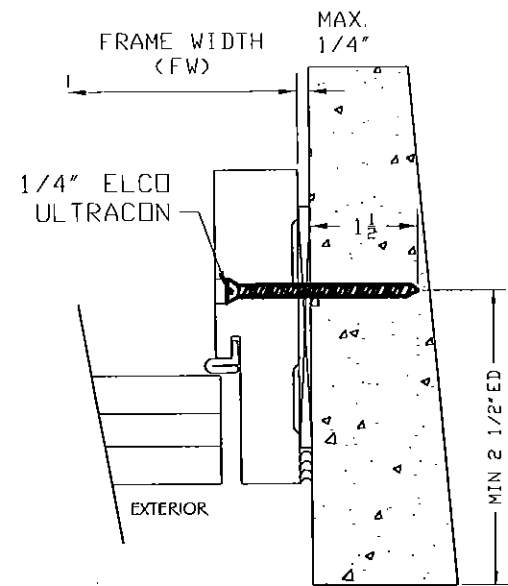
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0921-10
Expiration Date 8/18/19
By: [Signature]
For: Design Product Control

DATE: 08/26/2015
SCALE: NA
DESIGN BY: PPMF

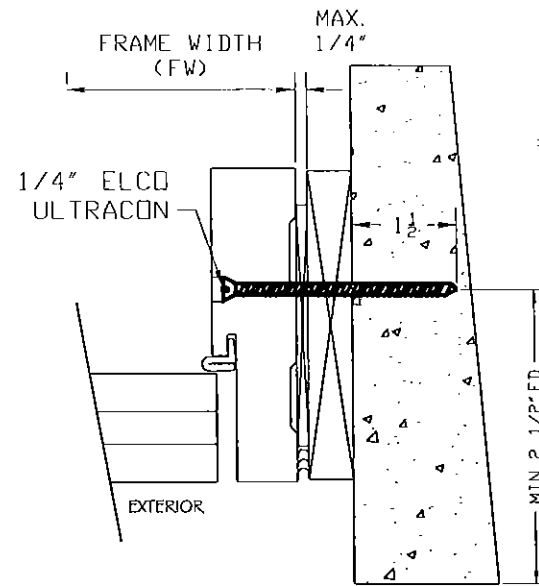
SHEET
5 OF 7

DRAWING #:
15-255

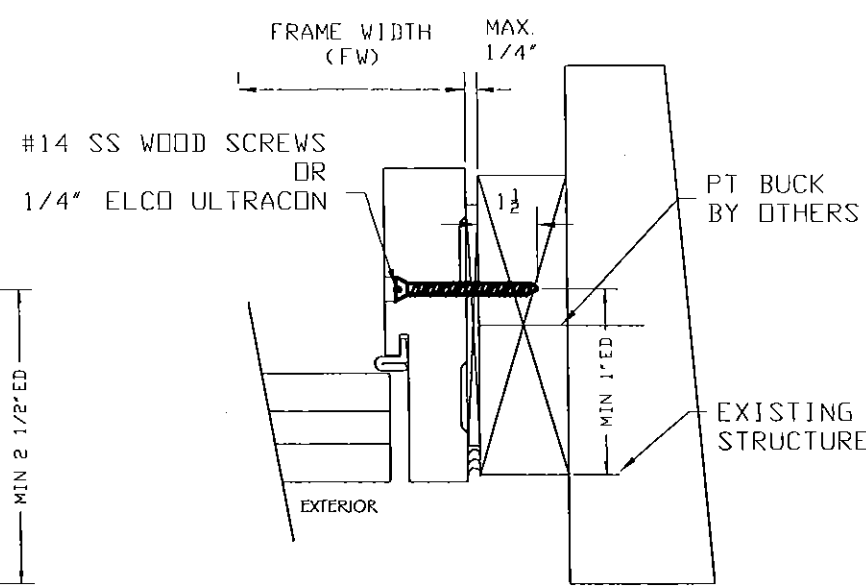
TYPICAL ANCHORAGE DETAILS



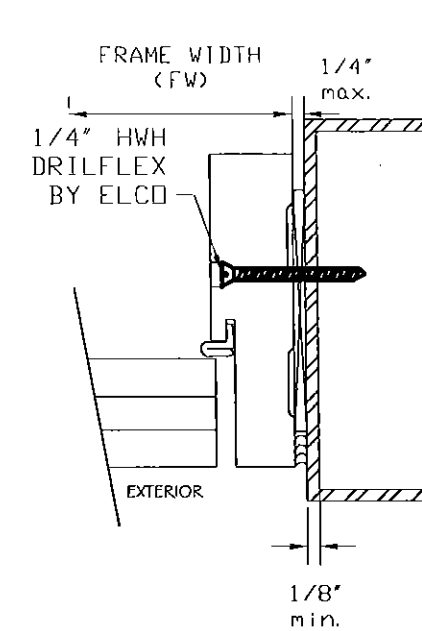
OPTION 1
FRAME WITH MAXIMUM 1/4" PT WOOD SHIM
1/4" ULTRACONS BY ELCO WITH 1 1/4" MIN.
EMBEDMENT INTO MASONRY
(SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)



OPTION 2
FRAME WITH MAXIMUM 1/4" PT WOOD SHIM AND
1" PT CONT. WOOD SPACER
1/4" ULTRACONS BY ELCO WITH 1 1/4" MIN.
EMBEDMENT INTO MASONRY
(SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)

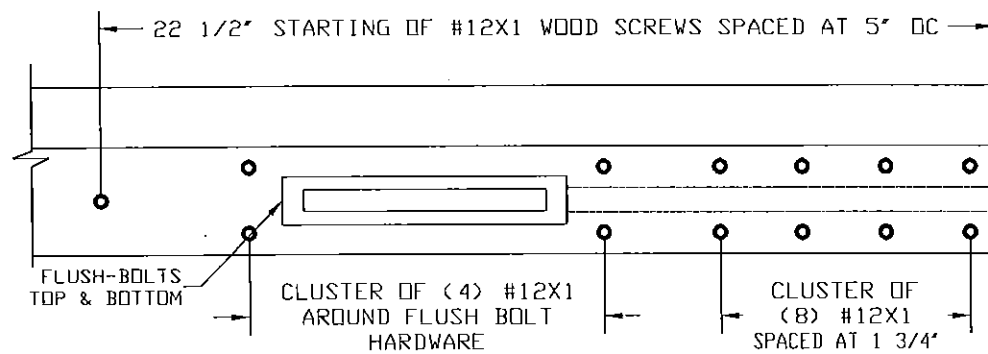


OPTION 3
FRAME WITH MAXIMUM 1/4" PT WOOD SHIM
AND 2" PT CONT. WOOD BUCK BY OTHERS
#14 SS WOOD SCREWS OR 1/4" ULTRACONS WITH
1 1/2" MIN. EMBEDMENT INTO WOOD (SG=.55)
(SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)

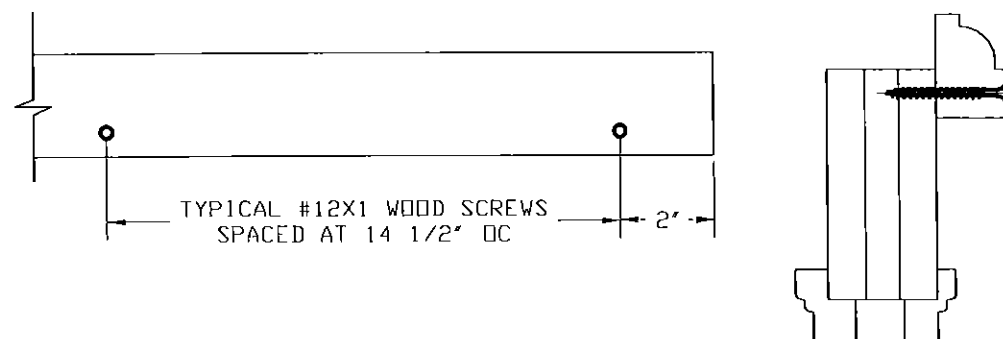


OPTION 4
FRAME WITH MAXIMUM 1/4" PT WOOD SHIM
1/4"-20 HWH DRILFLEX SELF DRILLING SCREWS BY
ELCO INTO MIN. 1/8" A36 STEEL
(SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)

ACTIVE ASTRAGAL INSTALLATION TO DOOR STILE SAME DETAIL TOP AND BOTTOM

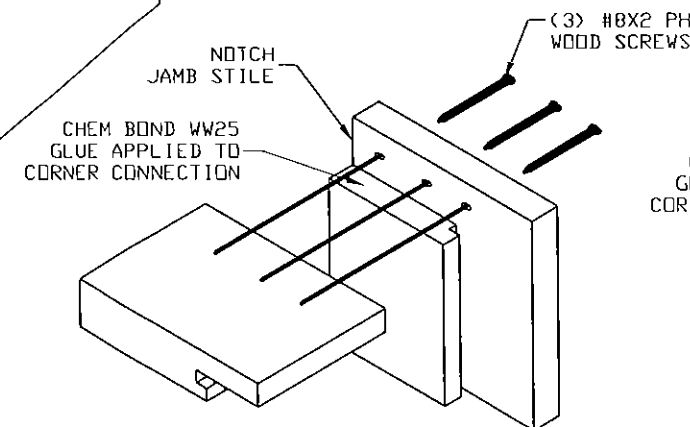


INACTIVE ASTRAGAL INSTALLATION TO DOOR STILE SAME DETAIL TOP AND BOTTOM



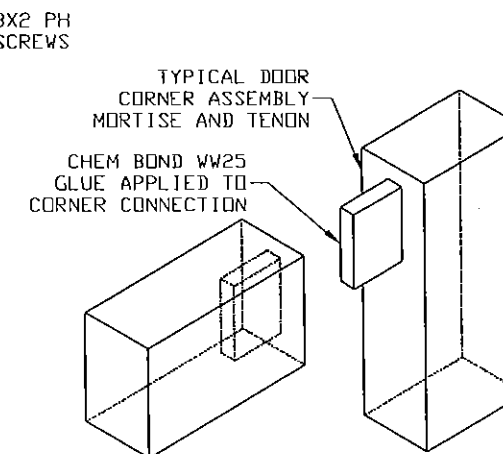
FRAME AND DOOR ASSEMBLY

TYPICAL CORNER FRAMING CONSTRUCTION



NOTE: AFTER FRAMING ASSEMBLY
ALL JOINTS ARE TO BE SEALED
WITH DOW 995 SILICONE.

TYPICAL DOOR CORNER CONSTRUCTION



MANUFACTURER:

ROATAN
MAHOGANY
USA, INC

4004C AURORA STREET
CORAL GABLES, FL 33146
PHONE: (305) 774-5999
FAX: (305) 774-0083

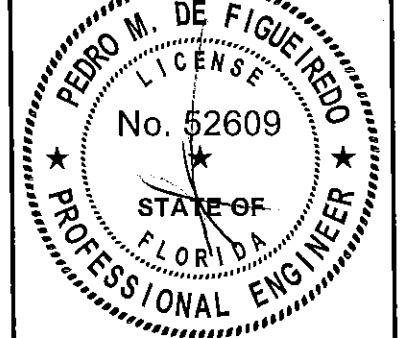
PRODUCT:

MAHOGANY
SWING-OUT DOOR
SWIETENIA SERIES
GLAZED DOOR
GLASS & WOOD PANEL OPTIONS
LARGE & SMALL MISSILE IMPACT

ENGINEERING:

ENGCO INC. CA 8116

5595 ORANGE DR. 201
DAVIE, FL. 33314
Tel.: (954) 585-0304
ENGCOINC.COM



AUG 26 2015

Engineer Seal
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0921-10
Expiration Date 8/8/19
b. 15-0921-10
Miami-Dade Product Control

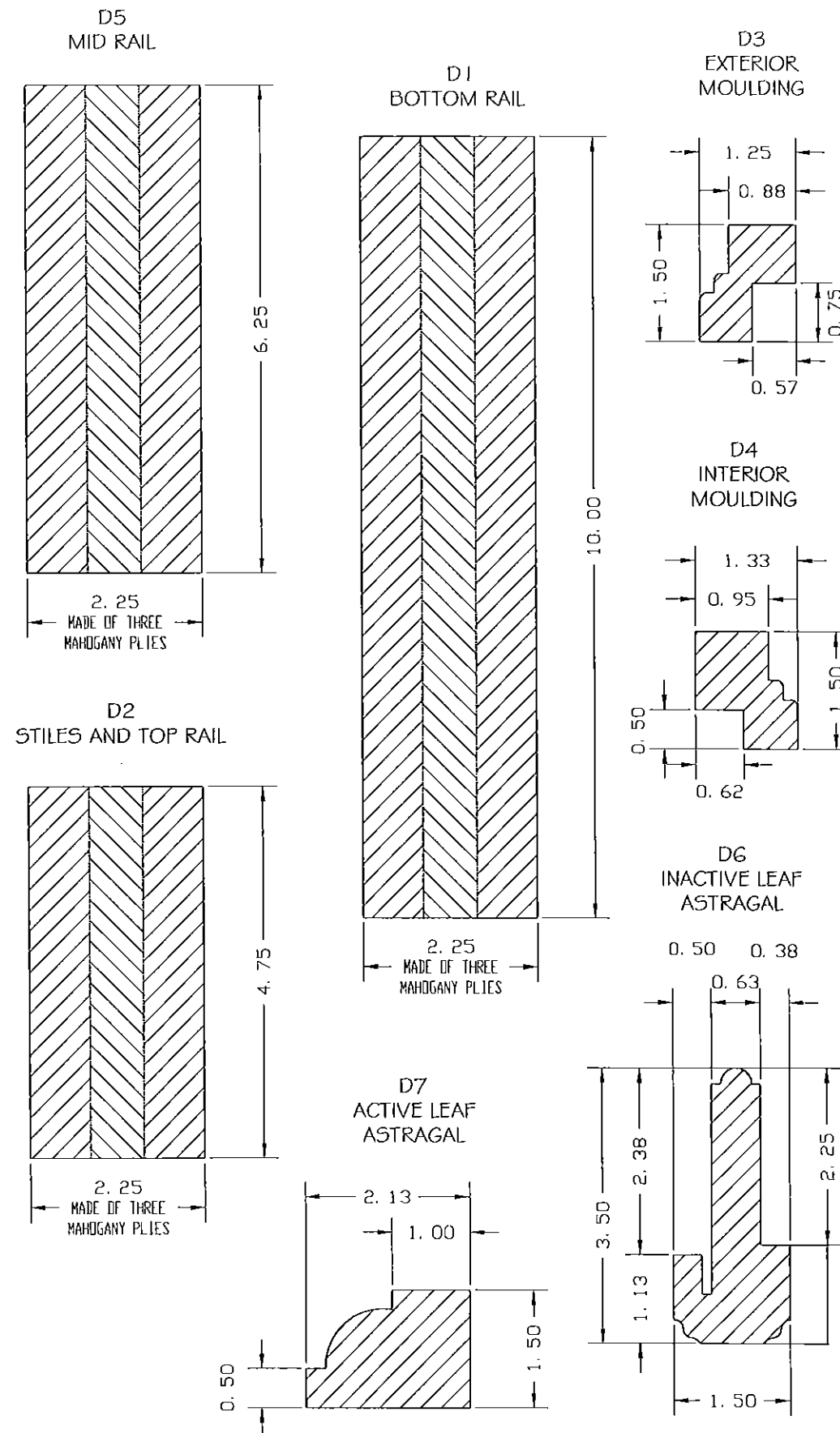
DATE: 08/26/2015
SCALE: NA
DESIGN BY: PPMF

SHEET
6 OF 7

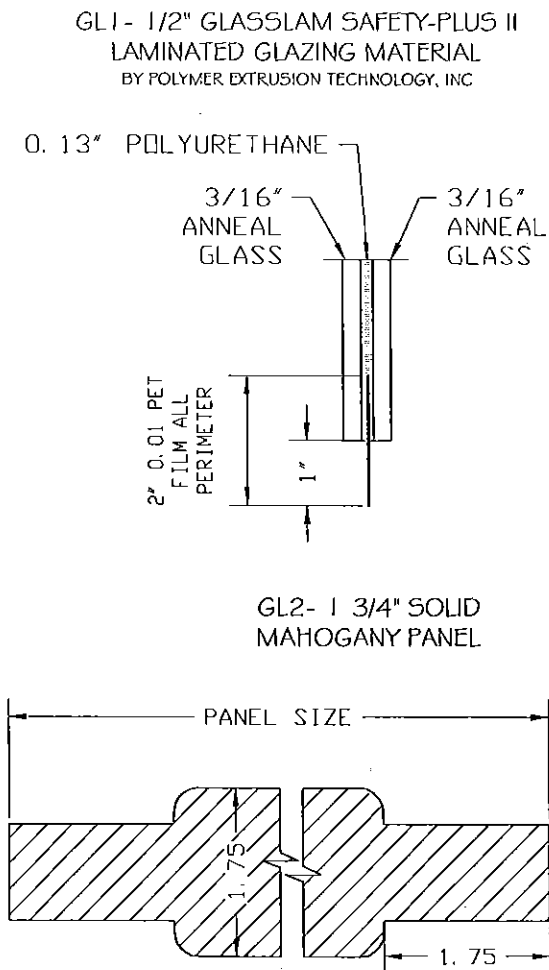
DRAWING #:
15-255

PRODUCT COMPONENTS AND BILL OF MATERIALS

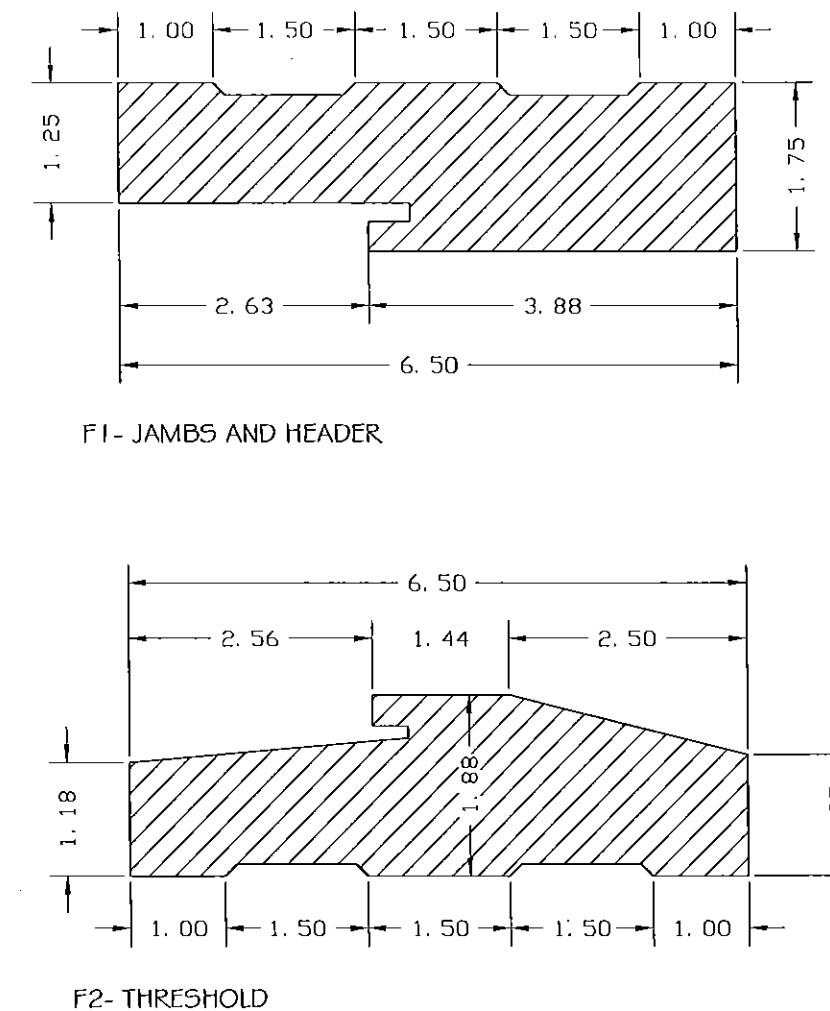
DOOR PARTS



CLADDING



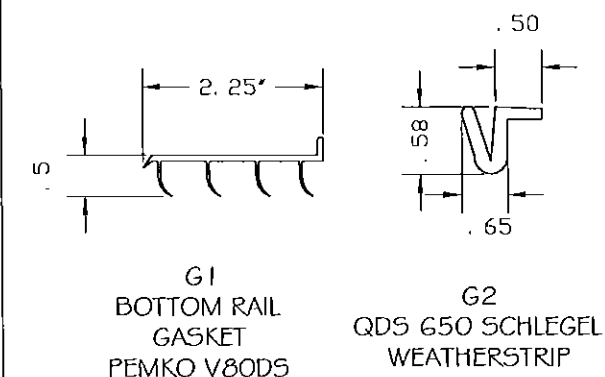
FRAME PARTS



BILL OF MATERIALS

ITEM#	DESCRIPTION	SIZE	REMARKS
D1	BOTTOM RAIL	2.25"X 10"	MAHOGANY WOOD
D2	TOP RAIL & STILES	2.25"X 4.75"	MAHOGANY WOOD
D3	EXTERIOR MOULDING	1.50"X 1.25"	MAHOGANY WOOD
D4	INTERIOR MOULDING	1.50"X 1.375"	MAHOGANY WOOD
D5	MID RAIL	2.25"X 6.25"	MAHOGANY WOOD
D6	INACTIVE ASTRAGAL	3.50"X 1.50"	MAHOGANY WOOD
D7	ACTIVE ASTRAGAL	2.13"X 1.50"	MAHOGANY WOOD
GL1	IMPACT GLASS	1/2" LAMINATED	BY GLASSLAM
GL2	SOLID PANEL	1.75" THICK	MAHOGANY WOOD
F1	JAMB AND HEADER	1.75"X6.50"	MAHOGANY WOOD
F2	SILL	1.875"X6.50"	MAHOGANY WOOD
G1	BOTTOM RAIL GASKET	2.25"X0.5"	PEMCO V80D5 VINYL
G2	FRAME SEAL	0.65"X0.58"	SCHLEGEL QDS 650

GASKETS



MANUFACTURER:

ROATAN MAHOGANY USA, INC

4004C AURORA STREET
CORAL GABLES, FL 33146
PHONE: (305) 774-5999
FAX: (305) 774-0083

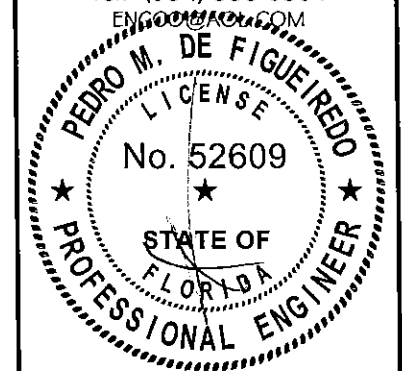
PRODUCT:

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Engineer Seal
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 15-0921-10
Expiration Date: Aug 08, 2019
B. Isherwood
Miami's Only Product Control

DATE: 08/26/2015
SCALE: NA
DESIGN BY: PPMF

SHEET
7 OF 7

DRAWING #:
15-255